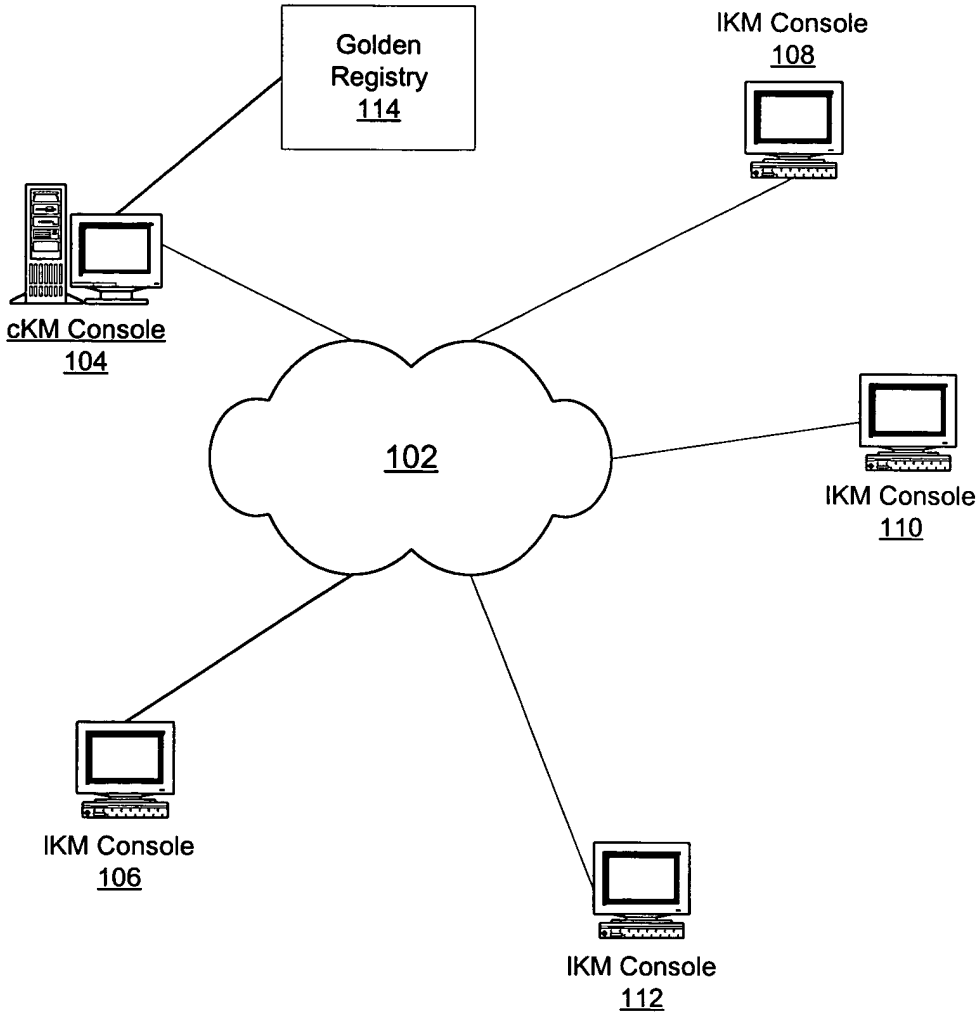
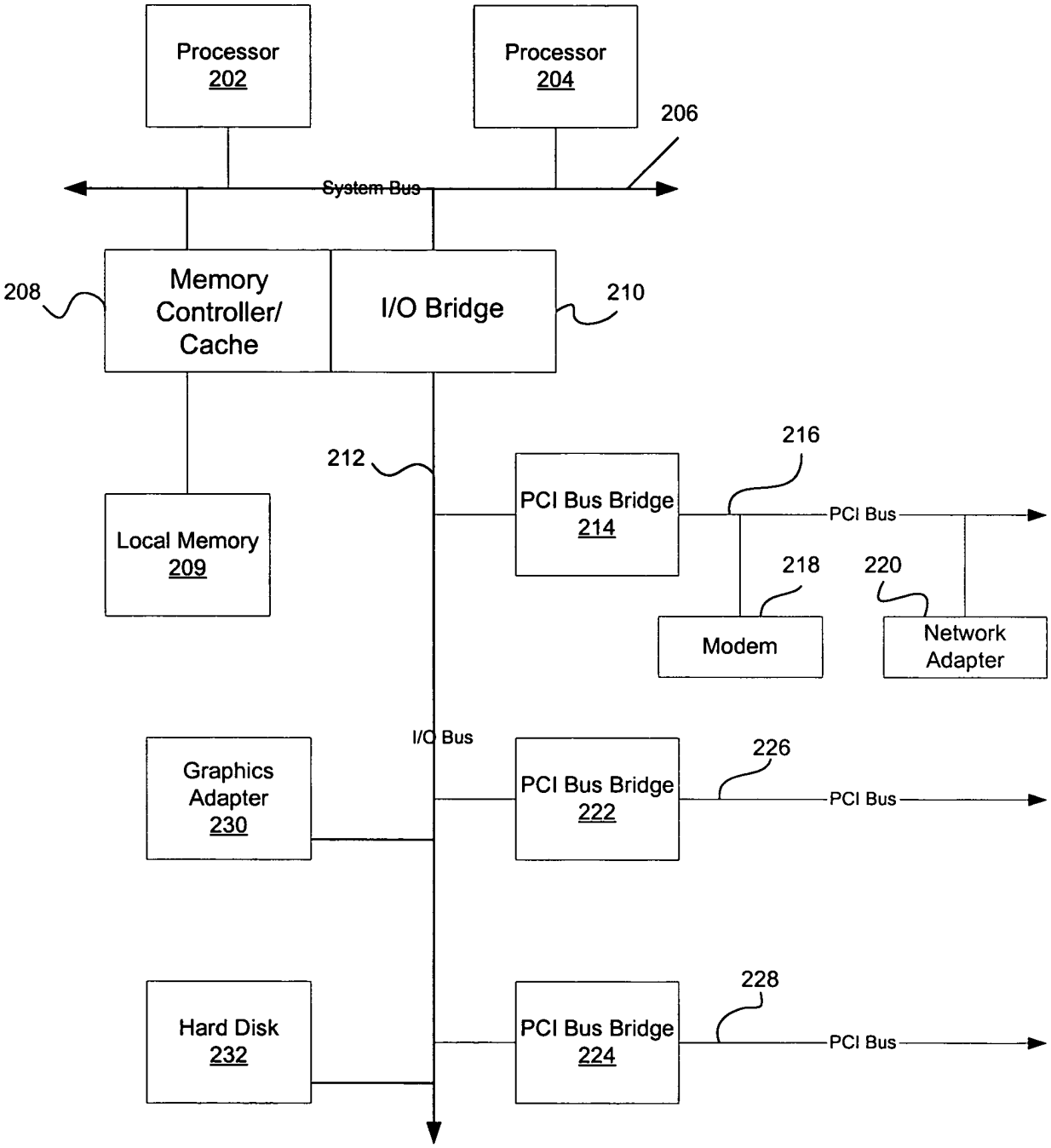


100

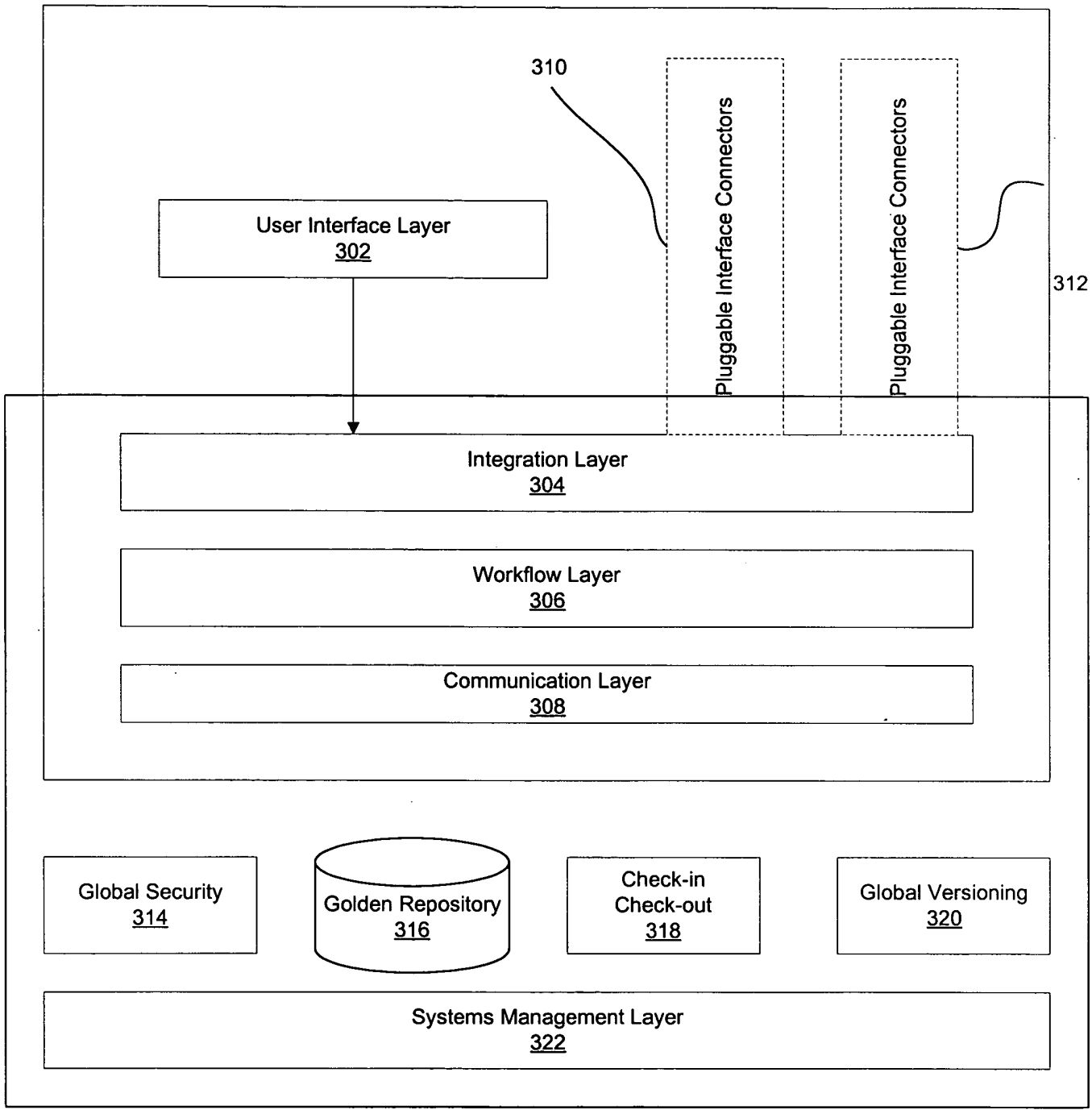
Network

Figure 1


Processor
202
Processor
204
206
System Bus
208
Memory
Controller/
Cache
I/O Bridge
210
212
216
Local Memory
209
PCI Bus Bridge
214
PCI Bus
218
220
Modem
Network
Adapter
I/O Bus
Graphics
Adapter
230
PCI Bus Bridge
222
226
PCI Bus
Hard Disk
232
PCI Bus Bridge
224
228
PCI Bus

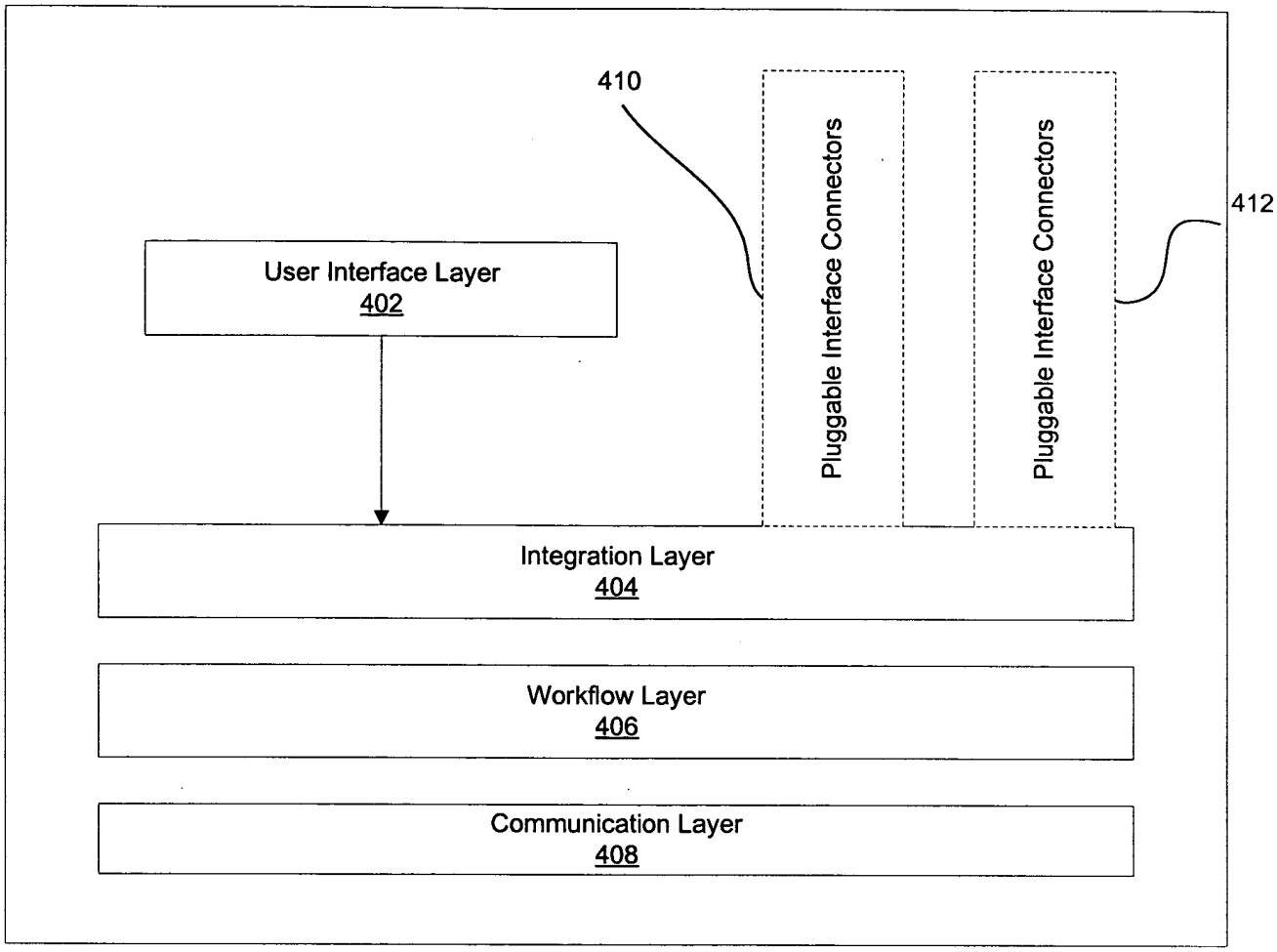
200

Figure 2



cKM Application
300

Figure 3



IKM Application
400

Figure 4

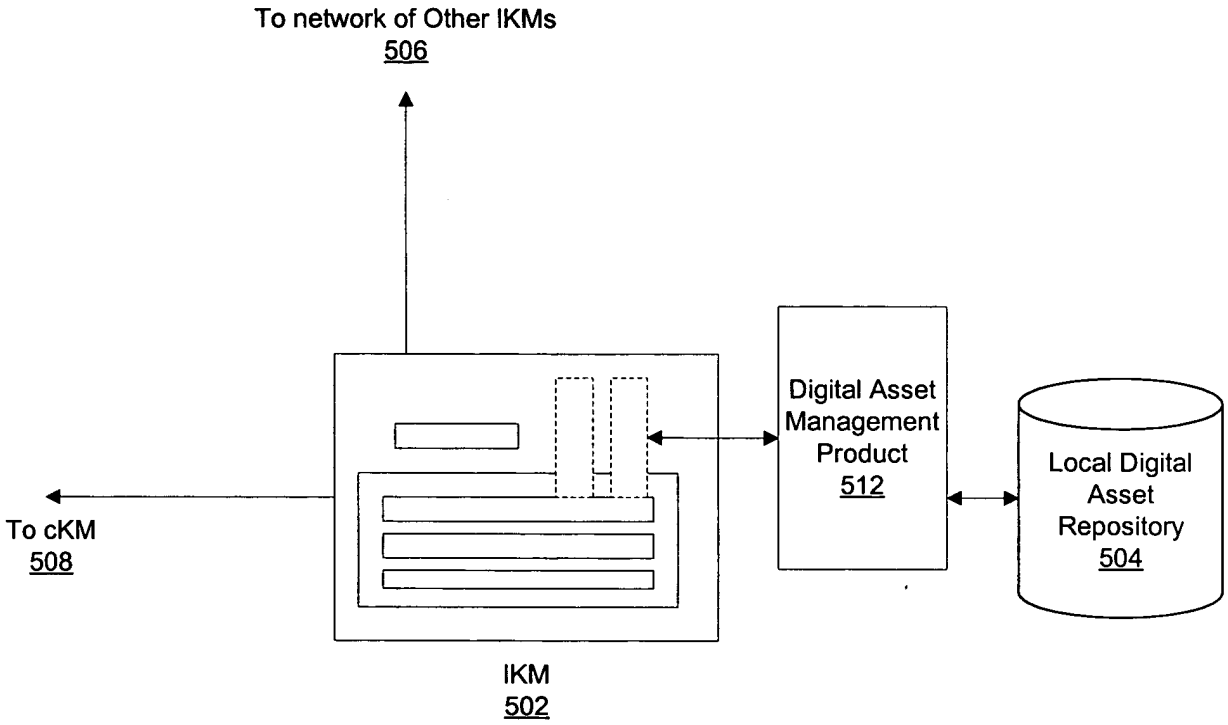

To network of Other IKMs
506
To cKM
508
Digital Asset Management Product
512
Local Digital Asset Repository
504
IKM
502

Figure 5

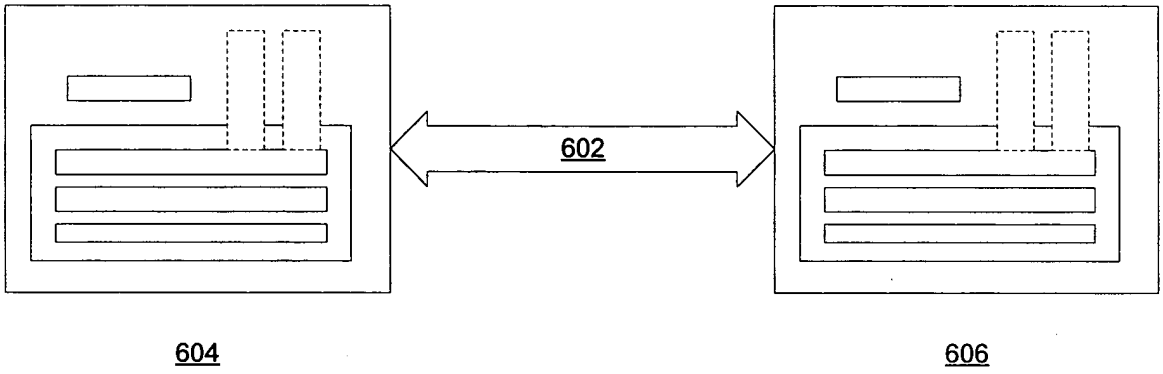


Figure 6

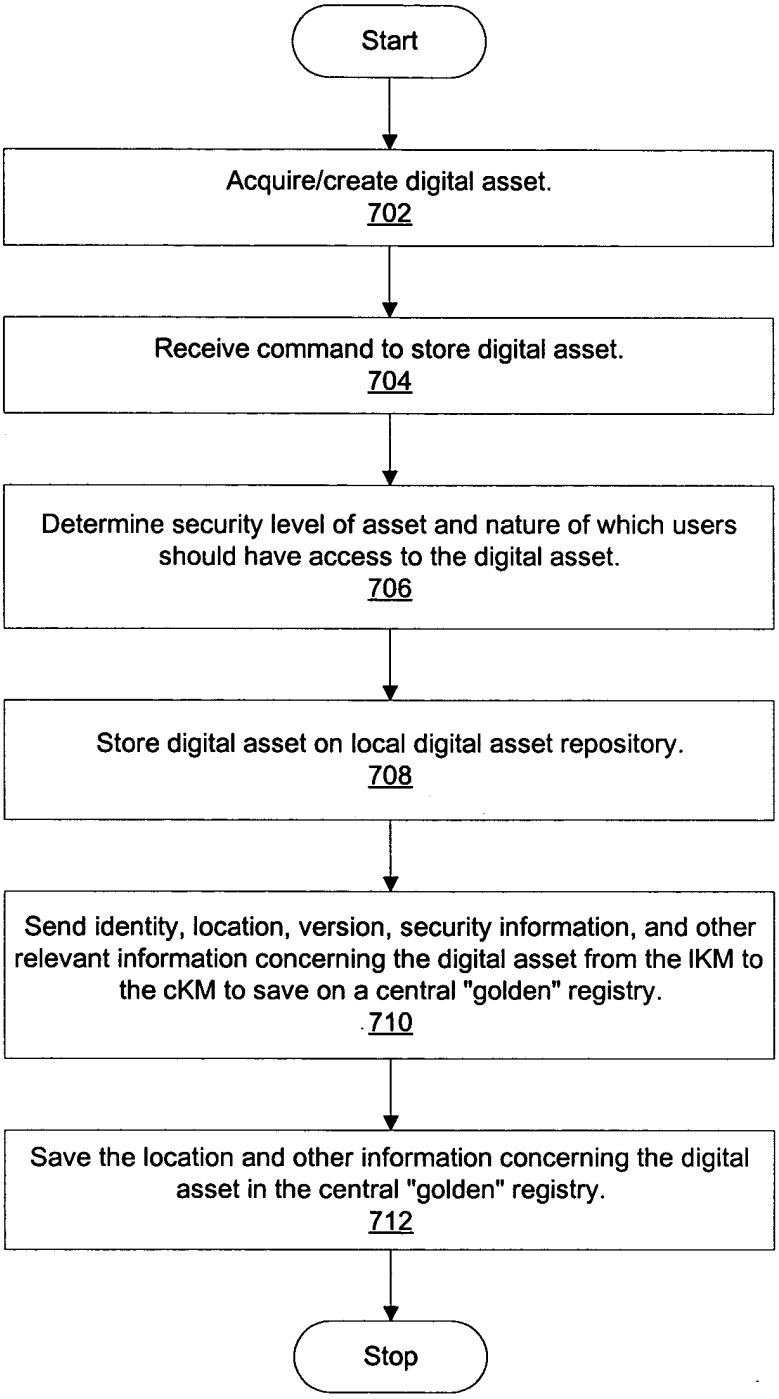

Start
Acquire/create digital asset.
702
Receive command to store digital asset.
704
Determine security level of asset and nature of which users should have access to the digital asset.
706
Store digital asset on local digital asset repository.
708
Send identity, location, version, security information, and other relevant information concerning the digital asset from the IKM to the cKM to save on a central "golden" registry.
710
Save the location and other information concerning the digital asset in the central "golden" registry.
712
Stop

Figure 7

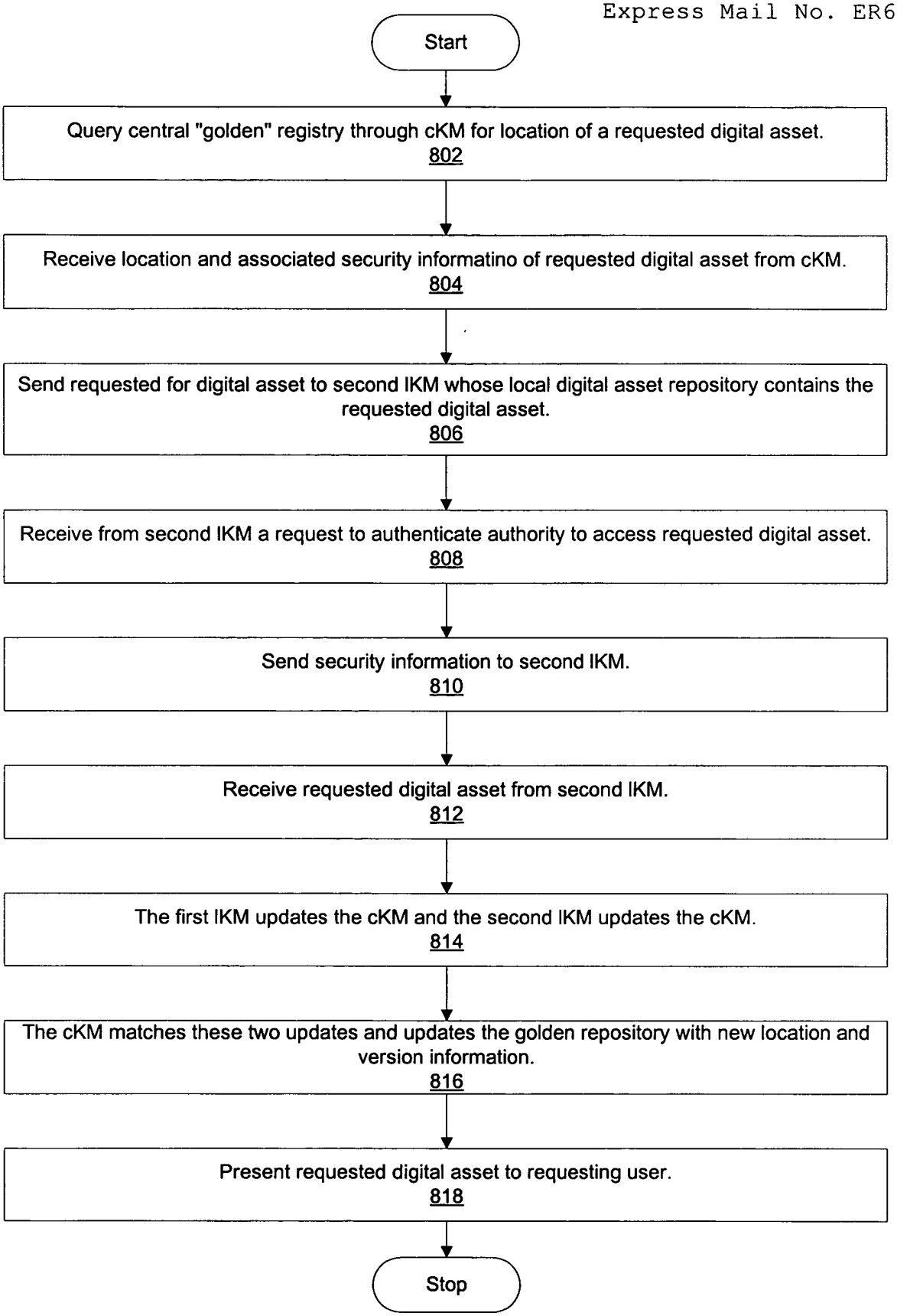

Start
Query central "golden" registry through cKM for location of a requested digital asset.
802
Receive location and associated security informatino of requested digital asset from cKM.
804
Send requested for digital asset to second IKM whose local digital asset repository contains the requested digital asset.
806
Receive from second IKM a request to authenticate authority to access requested digital asset.
808
Send security information to second IKM.
810
Receive requested digital asset from second IKM.
812
The first IKM updates the cKM and the second IKM updates the cKM.
814
The cKM matches these two updates and updates the golden repository with new location and version information.
816
Present requested digital asset to requesting user.
818
Stop

Figure 8